

Summary of DAT Conference Call 1/29/2008

Participants: EChappell(DWR), JSpeegle(FWS),
JWhite(DFG), AChu(DWR), LShih(CCWD),
LBartoo(FWS), TBoardman(SLDMWA),
BFujimura(DFG), JAdib-Samii(DFG),
DFullerton(MWD), PJohnsen(FWS),
RShahcheraghi(DWR), MFord(DWR),
MMorrow(DWR), LTran(DWR), TWashburn(BR)

Conclusions and Recommendation

In compliance with the Wanger Interim Remedial Order the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average until there is evidence of spawning.

No operational changes were recommended at this time.

Next DAT Conference Call Tuesday, 2/5/2008, 9:00 am - 11:00 am. 916/657-4111.

Chinook Monitoring

Upper Sacramento River

Red Bluff Diversion Dam – After the call Bill Poytress (FWS) provided the following update. FWS raised the cones on Friday 1/25 due to high flows and heavy debris. They redeployed three traps on Monday, 1/28.

For the sample period, winter-run Chinook passage decreased again averaging 188 per day. So far passage this season is 1.48 million. No late-fall Chinook were caught and spring-run passage averaged 200 per day. Fall Chinook passage increased averaging 129,000 per day. FWS did not catch any steelhead.

FWS posts biweekly reports on the Bay-Delta and Tributaries Project website, at
http://baydelta.ca.gov/Php/Special_Reports/red_bluff.php.

Mill Creek – The catch of Chinook decreased in the last week. DFG caught 2 yearling Chinook, 2 fry Chinook,

and 1 steelhead.

Deer Creek – DFG is not sampling at this time.

Butte Creek – For the period of 12/28 to 1/22 DFG caught 3 yearling Chinook and 9 steelhead. The catch of fry/smolt Chinook peaked at 531 on 1/9 and has tapered off since then ranging from 21 to 350 per day.

GCID – DFG pulled the trap on January 26th due to high flows.

Knights Landing – Catch of Chinook continued decreasing last week. The catch of older juvenile Chinook ranged from 0 to 1.5 per trap day. The catch of fry/smolt Chinook ranged from 3 to 18 per trap day. DFG also caught 19 adclipped Chinook, 2 in-river steelhead, and 120 adclipped steelhead. Yesterday, 1/28, the catch increased. DFG caught 1369 fry/smolt, 8 older juvenile and 1 adclipped Chinook. They also caught 1 in-river steelhead and 9 adclipped steelhead.

Delta Monitoring

In the last week, the catch of Chinook decreased in the delta monitoring but the catch of adclipped steelhead increased. The catch of delta smelt increased at Chipps and in the Bay seine. FWS is currently trawling 7 days per week at Chipps as part of the DA-8 experiment.

Sacramento Kodiak Trawl - 3 sample days, 30 samples. FWS caught 7 fry/smolt Chinook and 5 adclipped steelhead.

Lower Sacramento River seine – 1 sample day, 3 samples. FWS caught 19 fry/smolt Chinook and 1 adclipped steelhead.

Sacramento Area seine – 1 sample days, 8 samples. FWS caught 76 fry/smolt Chinook.

North Delta seine - 1 sample day, 6 samples. FWS caught 1 older juvenile and 31 fry/smolt Chinook.

Central Delta seine - 1 sample day, 7 samples. FWS caught 56 fry/smolt Chinook.

South Delta seine - 1 sample day, 4 samples. FWS caught 1 fry/smolt and 1 adclipped Chinook.

Mossdale Kodiak Trawl - 2 sample days, 20 samples. No species of interest.

San Joaquin River seine - 1 sample days, 8 samples. No species of interest.

Chippis Island Midwater Trawl - 7 sample days, 90 samples. FWS caught 6 older juvenile and 69 adclipped Chinook. They also caught 4 adclipped steelhead, 26 splittail, and 10 delta smelt. The delta smelt did not express any milt or eggs when checked.

Bay seine - 1 sample day, 4 samples. FWS caught 2 delta smelt (50mm). The delta smelt did not express any milt or eggs when checked.

Delta Action 8 – As part of the Delta Action 8 experiment FWS released approximately 70,000 Coleman late-fall Chinook in Georgiana Slough on 1/17. They also released approximately 36,500 at Ryde on 1/18 and approximately 12,000 at Benicia/Port Chicago on 1/22.

Spring-run Surrogates – The first spring-run surrogate release of Coleman Hatchery late-fall Chinook was made in late November. So far the expanded loss at the Delta Fish Facilities is 15 or 0.01% of the total release. The second spring-run surrogate release of approximately 83,600 Coleman late-fall Chinook was released on January 14th in Battle Creek.

Winter-run Chinook Release – FWS will release winter-run Chinook from Livingston Stone NFH on the Sacramento River at Caldwell Park on January 31st. They will release approximately 72,000 winter-run Chinook this year which is the smallest release size since 2000.

Delta Smelt Monitoring

Spring Kodiak Trawl – DFG will begin the second SKT survey on February 4th.

Judge Wanger's Order – the Project Agencies implemented the delta smelt remedy action 1.B.3.b(1) on January 7th. Under this action the Projects are required to achieve an average net upstream flow of Old and Middle Rivers not to exceed 5000cfs on a 7-day running average until there is evidence of spawning. The operators anticipate this action will last for quite some time as spawning is not expected to start until water temperatures increase to at least 12C.

Salvage Facilities –

Chinook – Both Facilities had an increased in adclipped Chinook loss. CVP also lost 3 winter-run length Chinook for a season loss of 24. SWP lost 27 winter-run length Chinook last week for a season total of 121. The combined loss of (non-clipped) winter-run Chinook is 145 so far this season.

Steelhead – Both Facilities also had an increased in adclipped steelhead in the last week. CVP salvaged 8 in-river steelhead and 68 adclipped steelhead. SWP salvaged 4 in-river steelhead and 18 adclipped steelhead. The combined salvage of in-river steelhead is 24 so far this season.

Delta smelt – The salvage of delta smelt also increased. SWP salvaged 8 delta smelt for a season total of 14. CVP salvaged 20 delta smelt for a season total of 24.

Splittail – Both Facilities continued salvaging low numbers of splittail. SWP salvaged 76 splittail for a season total of 186. CVP salvaged 60 splittail for a season total of 120.

Longfin smelt – SWP salvaged 4 longfin for a season total of 4. CVP salvaged 4 longfin for a season total of 16.

Sturgeon – CVP salvaged 4 green sturgeon for a season total of 4.

The DFG Salvage Database is available on the DFG ftp site (<ftp://ftp.delta.dfg.ca.gov/salvage/>).

The power was shut off at the TFCF for a short period

on the morning of January 25th for scheduled repairs.

Operations

SWP -

CCFB – 2,500cfs.

Oroville – 1,350cfs

X2 - ~ 70 km (just downstream of Chipps)

E/I - 14-day ~30%

San Luis - ~752taf. SWP share of San Luis capacity is 1,062 taf.

CVP -

Jones PP – 4,200cfs.

DCC - closed.

Trinity - 300cfs

Clear Creek - 200cfs

Keswick – 3,250cfs.

Nimbus – 1,000cfs

Goodwin – 225cfs

San Luis - ~758taf. CVP share of San Luis capacity is 966 taf.

Flows

Sacramento River at Freeport ~ 37,114cfs

Fremont Weir ~ 0

San Joaquin River at Vernalis ~ 3,905cfs

Delta Outflow ~ 39,018cfs. The 7-day average is 26,755cfs.

Old & Middle River flow ~ for 1/28, the daily average is -1,480cfs and the 7-day average is -4,378cfs.

Temperature – (daily average – 1/28)

Antioch ~ 8.3C

Rio Vista ~ 8.2C

Mossdale ~ 9.5C

3-Station Average ~ 8.6C

Delta Water Quality

Since December 28, the Delta is in excess conditions due to OMR fish action objective. Salinity levels improved slightly in the South Delta with the increase in flows.

February Water Quality Standards –

Collinsville X2 standard – The standard must be met for the full 29 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 7,100cfs.

Chippis Island X2 standard – The standard must be met for the full 29 days by a maximum daily EC of 2.64, a maximum 14-day running average EC of 2.64 or 3-day outflow of 11,400cfs.

Delta Cross Channel – The gates must be closed from February 1st to May 20th for the protection of winter-run Chinook.

E/I Ratio – 35%

Contra Costa Canal – CI \leq 250 mg/L. In addition, CI \leq 150 mg/L for 165 days per year.

South Delta – 30-day average EC \leq 1.0.

Suisun Marsh - \leq 8.0mS/cm.

Final copies of the DAT notes are now available on the CALFED Operations website at <http://wwwoco.water.ca.gov/calfedops/datsummaries.html>.

Erin Chappell

Environmental Scientist

DWR-DES

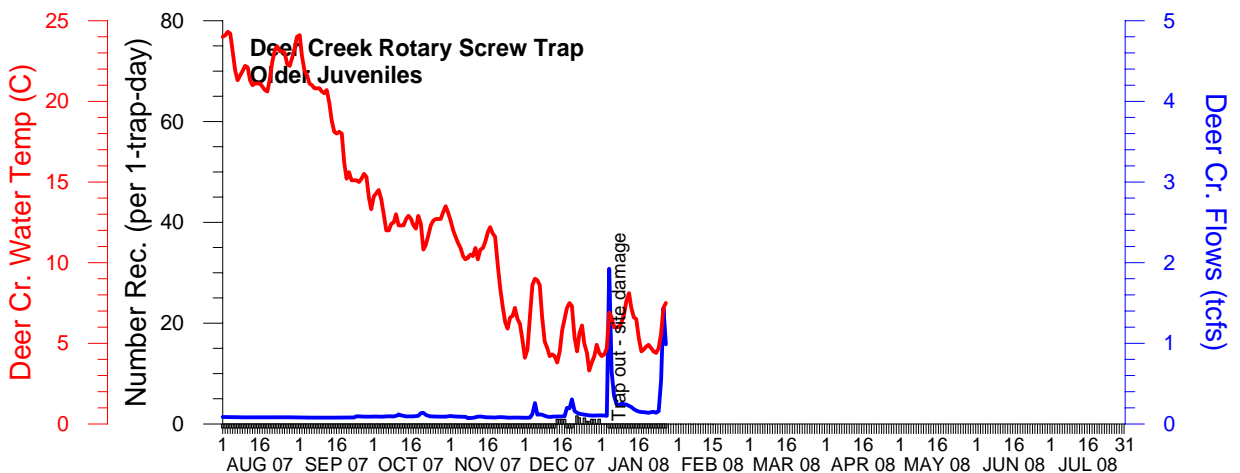
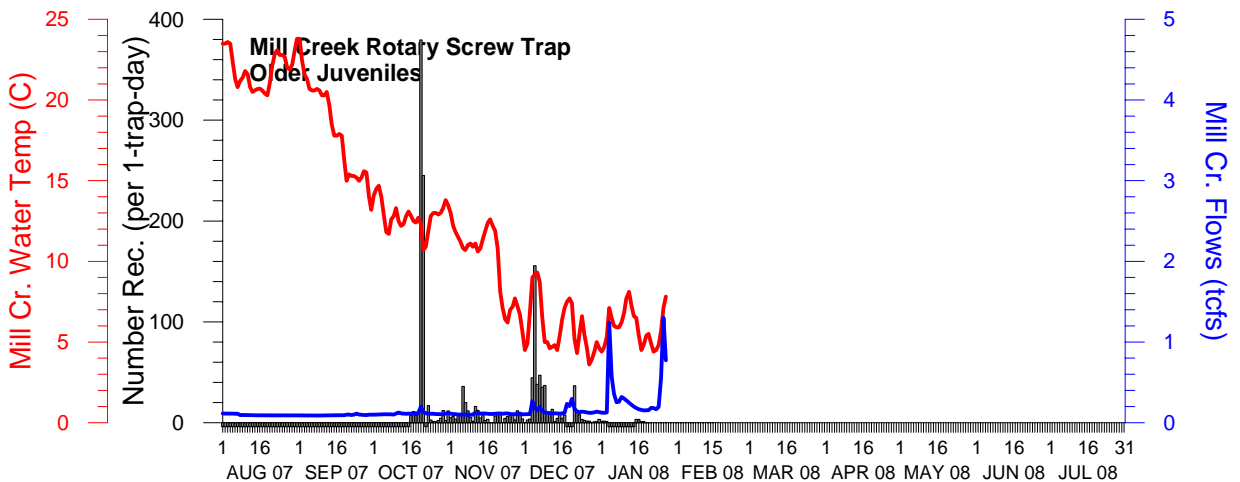
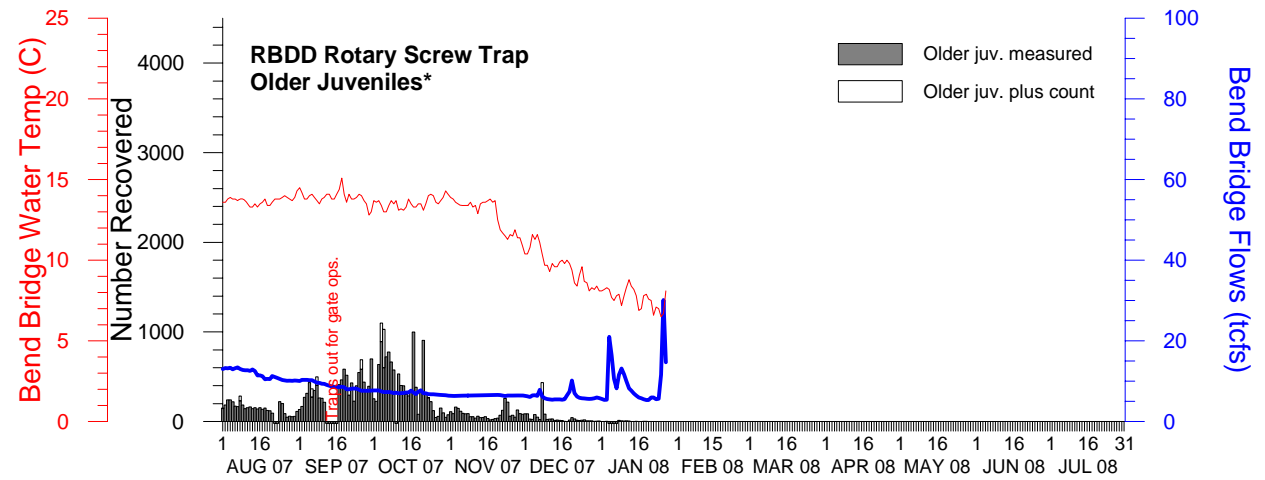
901 P Street, P.O. Box 942836

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NUMBER OF JUVENILE CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

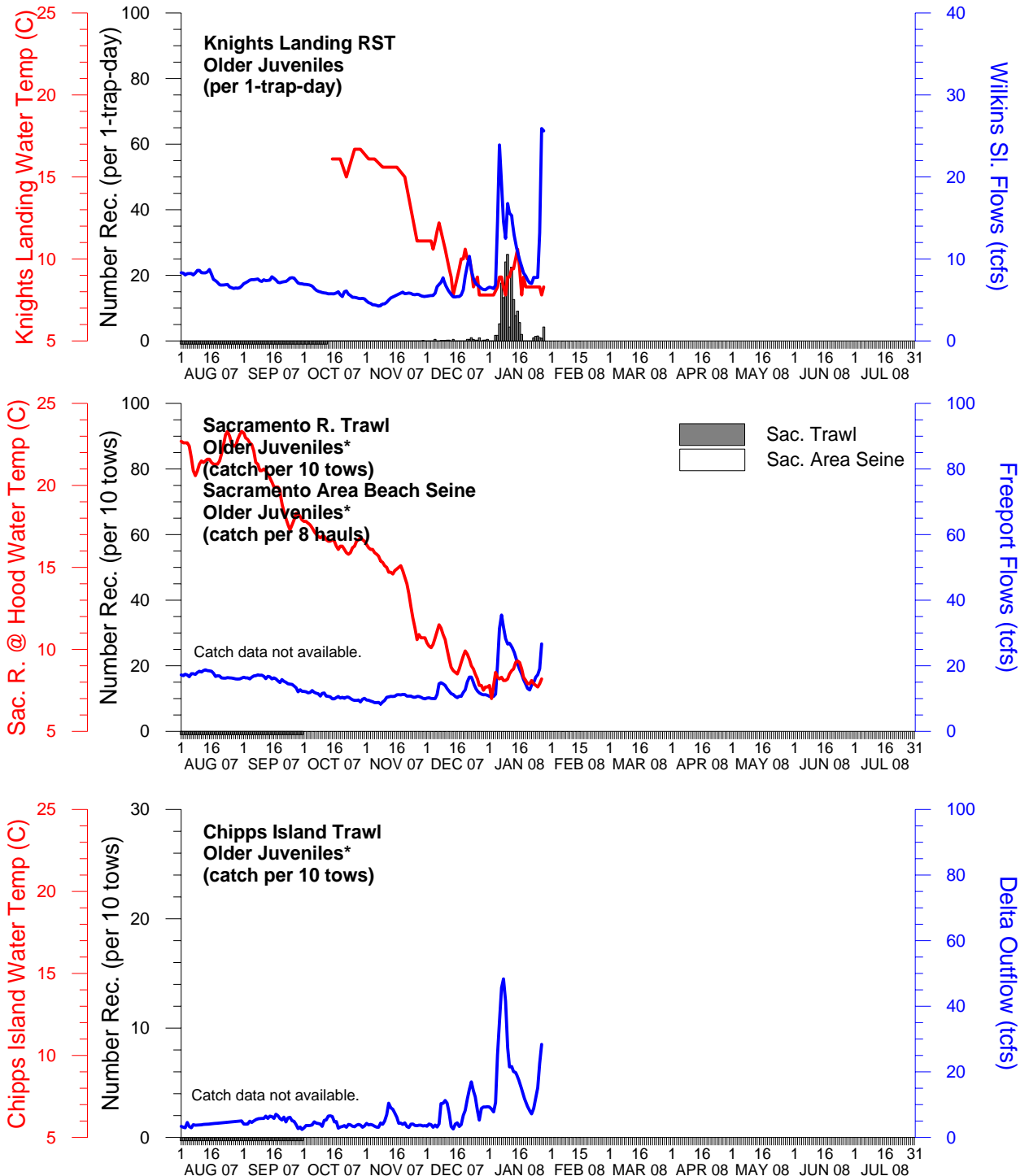


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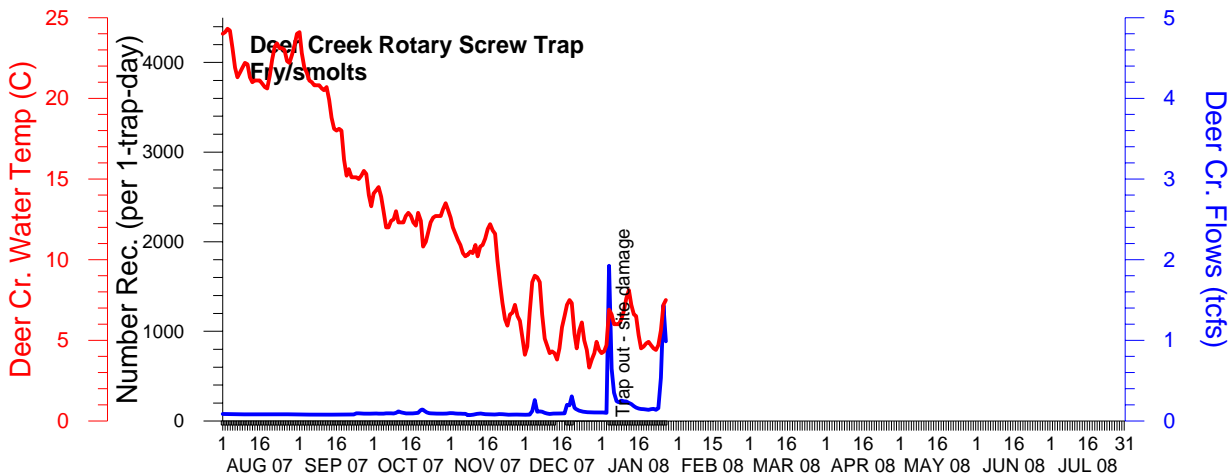
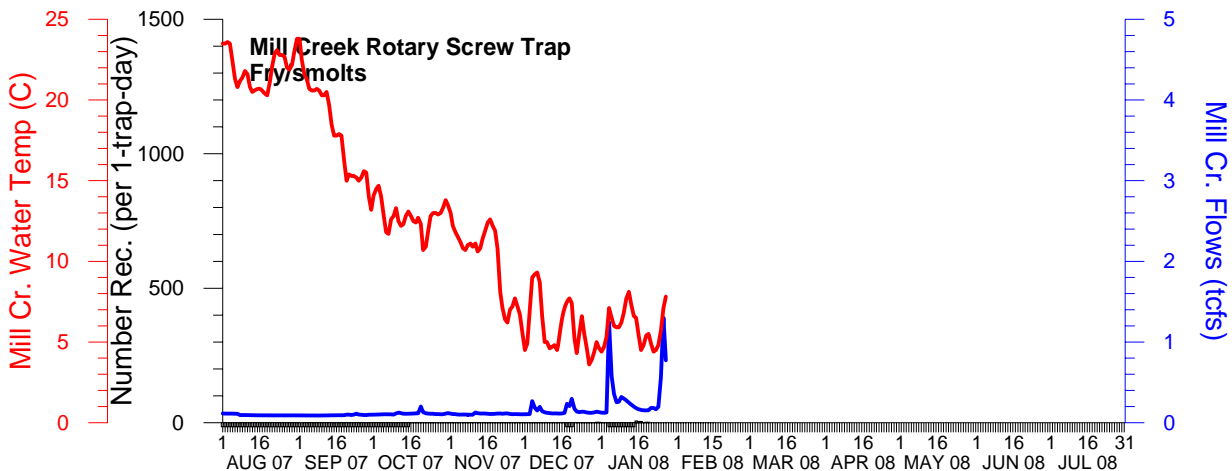
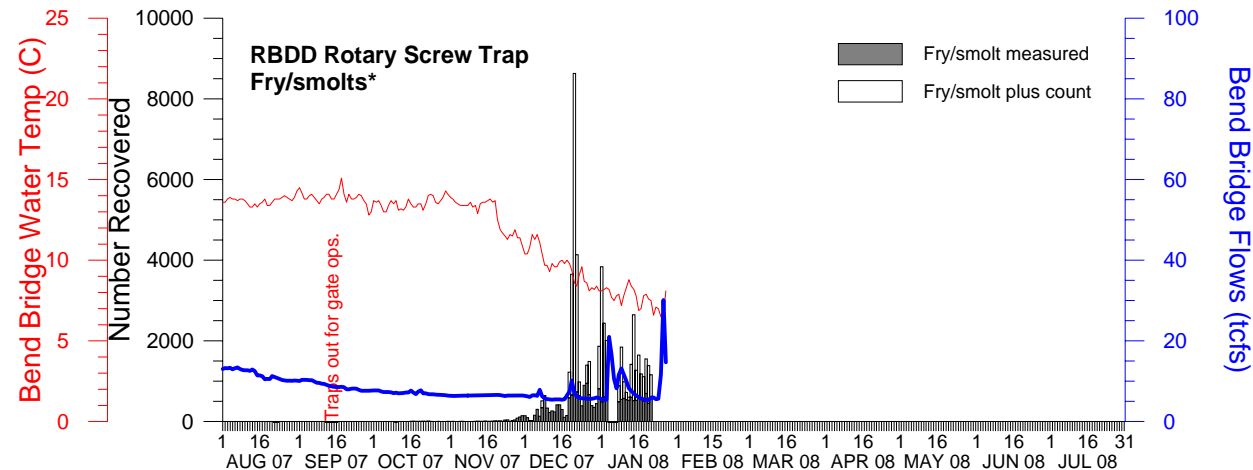
Preliminary, subject to revision

*Older juveniles defined as all Chinook above the minimum winter run length line (Frank Fisher model)

NUMBER OF JUVENILE CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE UPPER SACRAMENTO RIVER & TRIBUTARIES

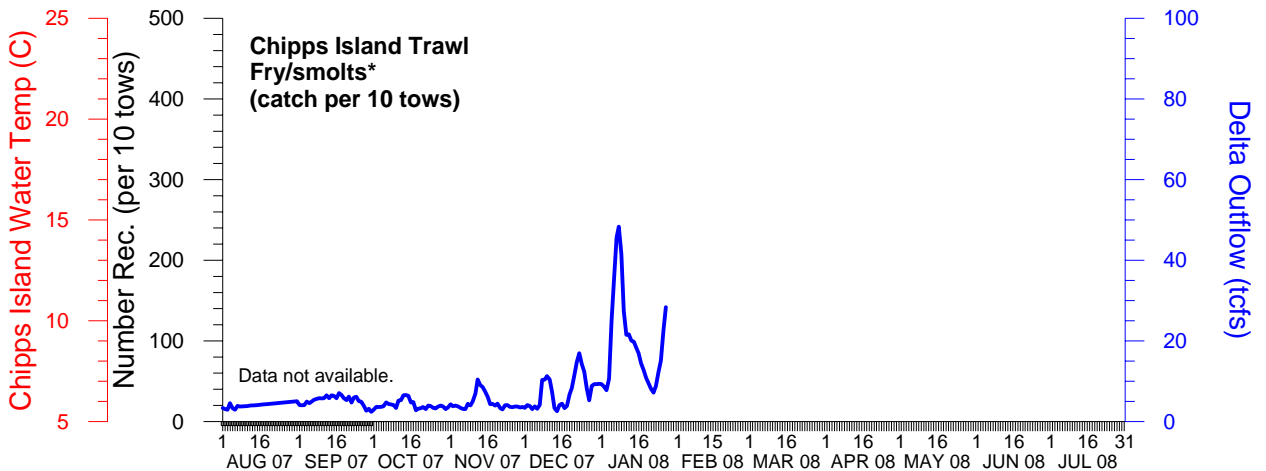
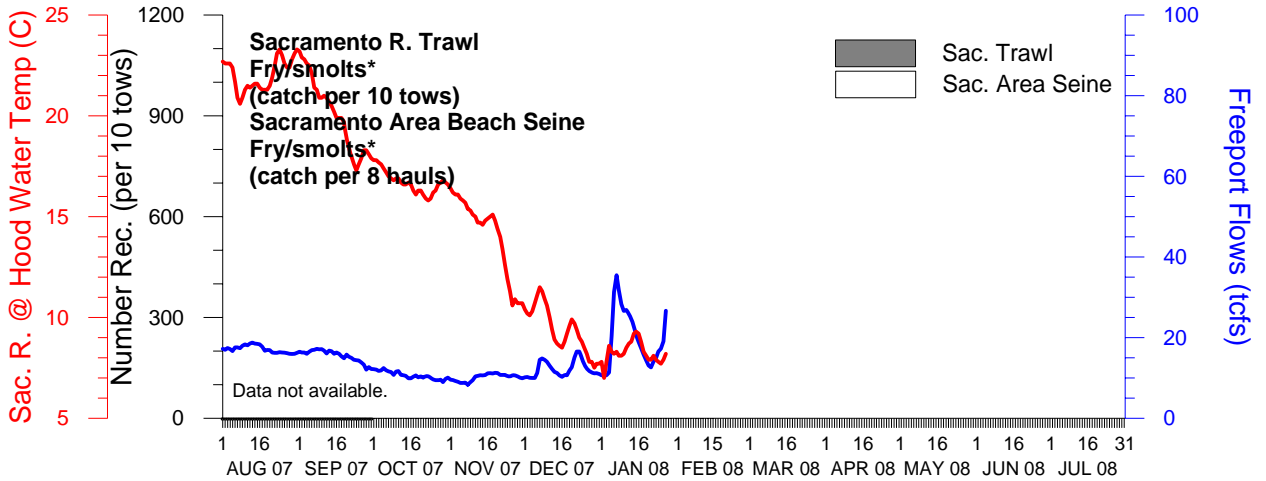
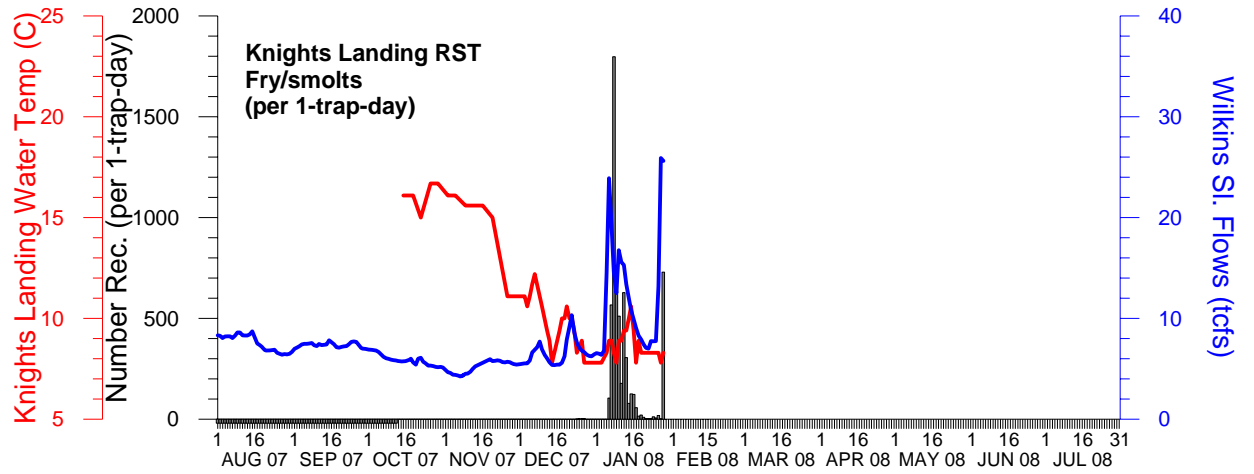


DWR-DES 29 JAN 2008

Preliminary, subject to revision

*Fry/smolts defined as all Chinook below the minimum winter run length line (Frank Fisher model)

NUMBER OF FRY/SMOLT CHINOOK MEASURED IN THE SACRAMENTO RIVER & DELTA



DWR-DES 29 JAN 2008
Preliminary, subject to revision
*Plus counts not included

Data Acquisition:

All the data is preliminary and subject to revision.

The catch data for RBDD, Sacramento River Trawl, Sacramento Area Beach Seine, and Chipps Island were obtained from the BDAT website: <http://baydelta.ca.gov> .

The catch data for Mill and Deer creeks were obtained directly from DFG, Red Bluff Juvenile Salmon Monitoring Project.

The catch data for Knights Landing were obtained directly from DFG, Native Anadromous Fish & Watershed Branch.

The hydrology data were obtained from either the CDEC or BDAT websites: <http://cdec.water.ca.gov> or <http://baydelta.ca.gov>.

Project Offices:

Mill Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

Deer Creek - DFG, Red Bluff Juvenile Salmon Monitoring Project

RBDD - USFWS, Red Bluff Fish & Wildlife Office

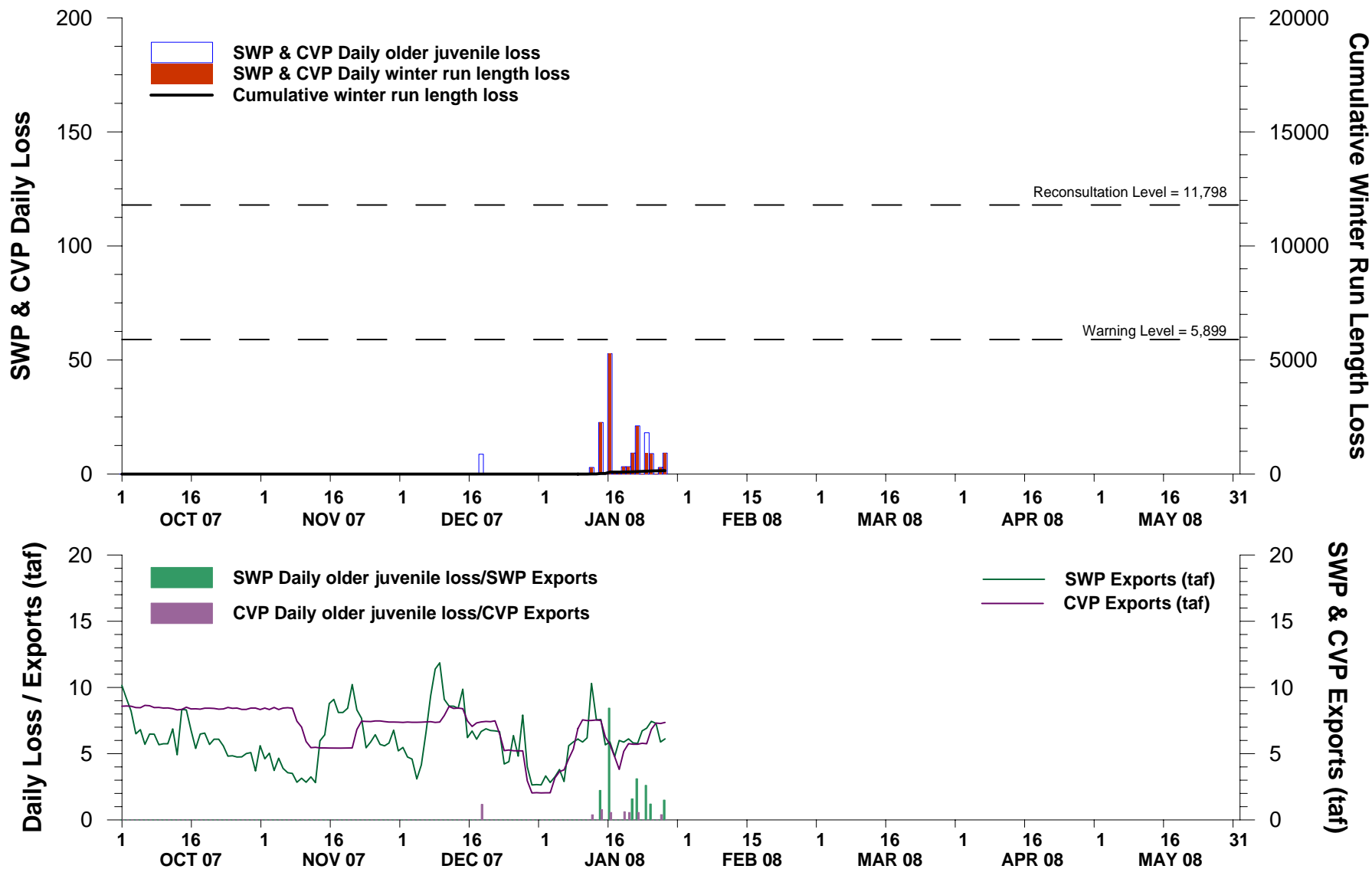
Knights Landing - DFG, Native Anadromous Fish & Watershed Branch

Sacramento Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring

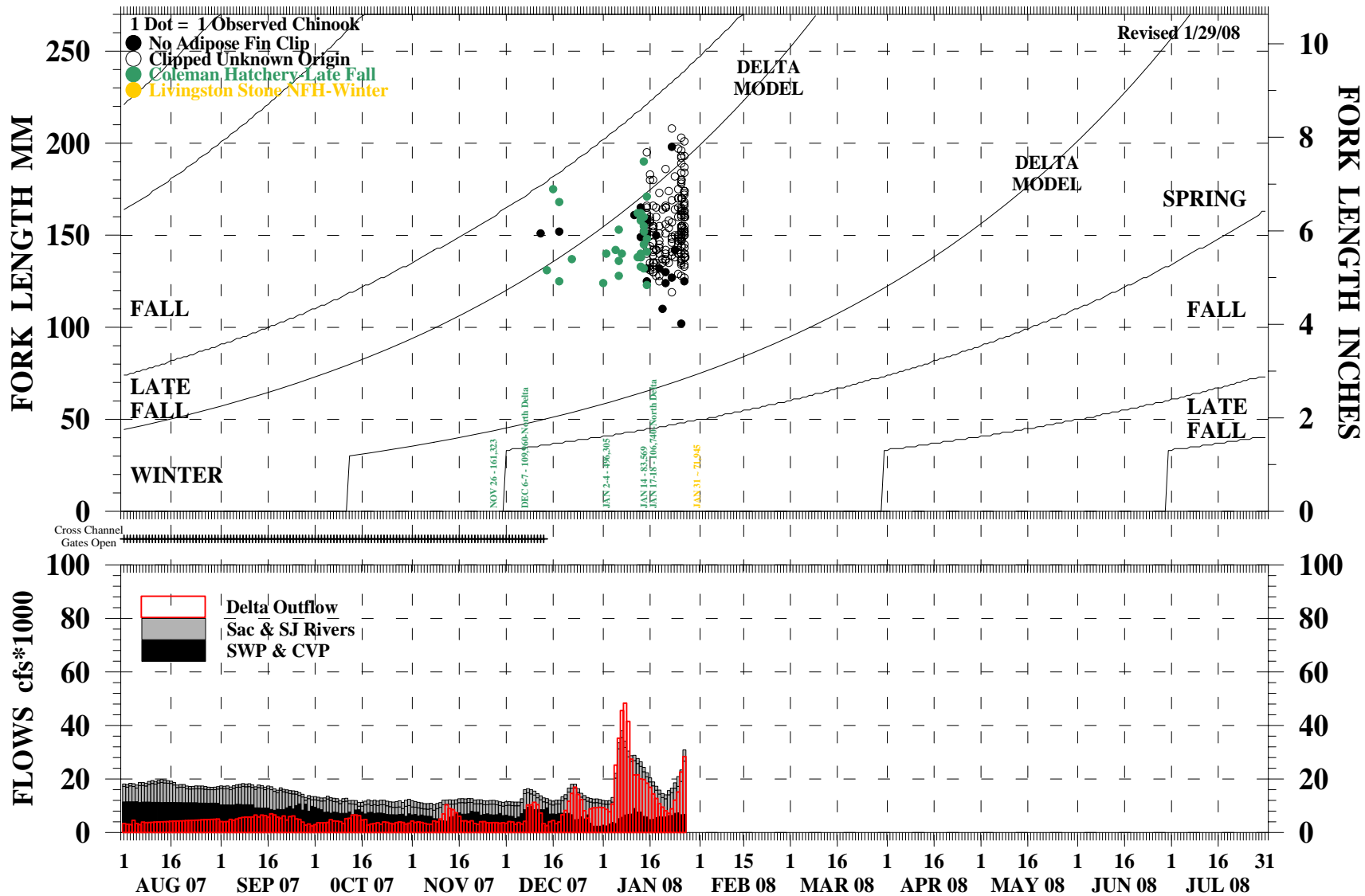
Sacramento Area Beach Seine - USFWS, Stockton Office Juvenile Salmon Monitoring Project

Chipps Island Trawl - USFWS, Stockton Office Juvenile Salmon Monitoring Project

WINTER RUN & OLDER JUVENILE CHINOOK LOSS AT THE DELTA FISH FACILITIES 01 OCT 2007 THROUGH 27 JAN 2008



OBSERVED CHINOOK SALVAGE AT THE SWP & CVP DELTA FISH FACILITIES 8/1/07 THROUGH 1/27/08



Salmon Salvage and Loss

From 22-Jan-08 to 27-Jan-08

LateFall run at CVP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/25/2008	4	3	0	0
01/26/2008	16	12	0	0
01/27/2008	4	3	0	0
Sum of LateFall run at CVP	24	17	0	0

Winter run at CVP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/22/2008	8	6	0	0
01/23/2008	8	6	0	0
01/25/2008	40	29	0	0
01/26/2008	112	81	4	3
01/27/2008	100	72	0	0
Sum of Winter run at CVP	268	194	4	3

Sum of all races at CVP	292	212	4	3
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LateFall run at SWP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/23/2008	2	9	2	9
01/27/2008	4	18	0	0
Sum of LateFall run at SWP	6	27	2	9

Winter run at SWP facility

SampleDate	Adipose Clipped		Not Clipped	
	Salvage	Loss	Salvage	Loss
01/22/2008	4	18	0	0
01/23/2008	16	72	2	9
01/24/2008	8	36	2	9
01/25/2008	10	46	0	0
01/26/2008	18	80	0	0
01/27/2008	22	101	2	9
Sum of Winter run at SWP	78	352	6	27

Sum of all races at SWP	84	379	8	36
Total for 1/22/2008 to 1/27/2008	376	591	12	39

Seasonal Salmon Salvage and Loss

Since 01-Oct-07

LateFall run at CVP facility					
Month	Adipose Clipped		Not Clipped		
	Salvage	Loss	Salvage	Loss	
Jan-08	40	30	0	0	
Dec-07	24	17	12	9	
Sum of LateFall at CVP	64	48	12	9	
Winter run at CVP facility					
Month	Adipose Clipped		Not Clipped		
	Salvage	Loss	Salvage	Loss	
Jan-08	492	374	32	24	
Dec-07	28	19	0	0	
Sum of Winter at CVP	520	394	32	24	
Sum of all races at CVP	584	441	44	33	
LateFall run at SWP facility					
Month	Adipose Clipped		Not Clipped		
	Salvage	Loss	Salvage	Loss	
Jan-08	12	54	2	9	
Sum of LateFall at SWP	12	54	2	9	
Winter run at SWP facility					
Month	Adipose Clipped		Not Clipped		
	Salvage	Loss	Salvage	Loss	
Jan-08	179	808	27	121	
Sum of Winter at SWP	179	808	27	121	
Sum of all races at SWP	191	862	29	130	
Total since 10/1/2007	775	1303	73	163	

Steelhead Salvage

From 01-Oct-07 to 21-Jan-08

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CVP facility	SampleDate	Adipose Clipped	Not Clipped

	11/08/2007	0	0
	01/18/2008	0	4
	01/20/2008	4	8
	01/21/2008	8	0
Sum of Steelhead at CVP		12	12

Total for 10/1/2007 to 1/21/2008		12	12

Seasonal Steelhead Salvage

Since 01-Oct-07

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CVP facility	Adipose Clipped	Not Clipped
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Nov-07	0	0
Jan-08	80	20
Sum of all steelhead at CVP	80	20
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SWP facility	Adipose Clipped	Not Clipped
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Jan-08	18	4
Sum of all steelhead at SWP	18	4

Total since 10/1/2007	98	24

Special Species Salvage

From 23-Jan-08 to 27-Jan-08

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Delta Smelt		SWP		CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet

	01/23/2008	2	6917	0	
	01/25/2008	6	7283	8	7310
	01/26/2008	0		8	7278
	01/27/2008	0		4	7352
Total for Delta Smelt		8	14200	20	21940
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Longfin Smelt		SWP		CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet

	01/23/2008	2	6917	0	
	01/24/2008	0		4	6826
	01/26/2008	2	5877	0	
Total for Longfin Smelt		4	12794	4	6826
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Splittail		SWP		CVP	
	SampleDate	Salvage	Acre Feet	Salvage	Acre Feet

	01/24/2008	6	7439	4	6826
	01/25/2008	34	7283	16	7310
	01/26/2008	20	5877	12	7278
	01/27/2008	16	6121	28	7352
Total for Splittail		76	26720	60	28766